Title (en)

ULTRASONIC SEALING ANVIL

Title (de)

ULTRASCHALL-SCHWEISSBACKEN

Title (fr)

ENCLUME DE SOUDAGE ULTRASONIQUE

Publication

EP 1009618 B1 20031008 (EN)

Application

EP 98906550 A 19980217

Priority

- US 9803152 W 19980217
- US 80383697 A 19970221

Abstract (en)

[origin: EP1287970A2] An anvil system (36) including a plurality of anvils (20) having an interconnected cooling system (39,40). Each of the anvils (20) has means for acoustically insulating (28,52) the anvil body (23) from ultrasonic energy which originates from an ultrasonic horn (72). The insulation means (28,52) may be an airspace slot (28) essentially separating the vibrating portion of the anvil from the anvil body. The anvil (20) may also have an adjustable sealing pattern (26) which allows for facilitated exchange of sealing patterns (26). The anvil (20) may also have a plurality of projecting pads (76) which reduces damage to the ultrasonic sealing equipment and to the object to be sealed. <IMAGE>

IPC 1-7

B29C 65/08; B23K 20/10; H01R 43/02

IPC 8 full level

B23K 20/10 (2006.01); **B06B 3/00** (2006.01); **B29C 65/00** (2006.01); **B29C 65/08** (2006.01); **B65B 51/22** (2006.01); B29C 35/16 (2006.01)

CPC (source: EP US)

B29C 65/08 (2013.01 - EP US); **B29C 66/1122** (2013.01 - EP US); **B29C 66/43122** (2013.01 - EP US); **B29C 66/80** (2013.01 - EP US); **B29C 66/81425** (2013.01 - EP US); **B29C 66/81427** (2013.01 - EP US); **B29C 66/81463** (2013.01 - EP US); **B29C 66/8167** (2013.01 - EP US); **B29C 66/81811** (2013.01 - EP US); **B29C 66/83221** (2013.01 - EP US); **B65B 51/225** (2013.01 - EP US); B29C 66/522 (2013.01 - EP US); B29C 66/54 (2013.01 - EP US); B29C 66/71 (2013.01 - EP US); B29C 66/7392 (2013.01 - EP US); B29C 66/81422 (2013.01 - EP US); B29C 66/81469 (2013.01 - EP US); B29C 66/8226 (2013.01 - EP US); B29C 2035/1616 (2013.01 - EP US); B29K 2711/123 (2013.01 - EP US); B29L 2031/7166 (2013.01 - EP US); Y10S 53/02 (2013.01 - EP US)

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EP 1287970 A2 20030305; **EP 1287970 A3 20030312**; **EP 1287970 B1 20050928**; AT E251542 T1 20031015; AT E305380 T1 20051015; AU 6174698 A 19980909; AU 720357 B2 20000601; CH 693667 A5 20031215; DE 69818840 D1 20031113; DE 69818840 T2 20040722; DE 69831760 D1 20060209; DE 69831760 T2 20060511; EP 1009618 A1 20000621; EP 1009618 B1 20031008; EP 1009618 B9 20040714; JP 2001522321 A 20011113; JP 4107357 B2 20080625; NO 319609 B1 20050829; NO 994038 D0 19990820; NO 994038 L 19991018; SE 515859 C2 20011022; SE 9902812 D0 19990729; SE 9902812 L 19990823; US 5775055 A 19980707; WO 9836896 A1 19980827

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